Attachment 1

NGDLC UNE-P Tariff language

Ameritech Illinois Redlined Version Showing Requested Clarifications

1. INTRODUCTION

1.1 This Tariff sets forth the terms and conditions for providing a Digital Subscriber Line ("DSL") service over Next Generation Digital Loop Carrier ("NGDLC") deployed in conjunction with the AMERITECH-IL Project Pronto deployment consistent with the Illinois Commerce Commission (ICC) order on rehearing in Docket 00-0393. Furthermore, this Appendix establishes terms and conditions for the other Project Pronto related components specifically addressed in the Commission order in the same Docket mentioned above.

1.2 This Tariff Section is not intended to address additional unbundled network elements ("UNEs") that may otherwise be available in the AMERITECH-IL outside loop plant network. CLEC may obtain L1NEs that otherwise are available (e.g. copper subloops and/or dark fiber) under the terms and conditions provided in the interconnection agreement or tariff as applicable.

1.3 Where AMERITECH-IL has deployed remote terminals with NGDLC, AMERITECH-IL must provide CLEC with access to the transmission facility from the customers' premises to the central office, including access to unbundled packet switching in order to transport the data signals from the RT to the terminating port on the Optical Concentrating Device (OCD).

1.4 Access to the Broadband UNEs are provided under this tariff where NGDLC is deployed, operational, and facilities are available, unless otherwise provided by this agreement. Deployment of NGDLC will be at the sole discretion of AMERITECH-IL, unless otherwise provided by this tariff, interconnection agreement, or as provided by the Commission's Order in 00-0393. AMERITECH-IL will provide to CLECs information regarding the deployment of this technology through the DSL Tracking Inquiry Tool ("DTI") available via CLEC Online.

1.5 Any xDSL offering established under the terms of this Agreement must be technically feasible given the AMERITECH-IL NGDLC deployed in a specific RT site. Additionally, any service provisioned over the network architecture described herein is subject to the technical specifications outlined in the AMERITECH-IL "Broadband Service Technical Publication" located in the CLEC Handbook, as long as they are consistent with the Commission's Order in 00-0393, any other applicable Commission or FCC Order, and state and federal law.

1.6 At this time, the only form of xDSL offering available with the architecture implemented by AMERITECH-IL is ADSL. To date, AMERITECH-IL has deployed ADSL line cards in the ATM portion of the NGDLC equipment. The 00-0393 APPENDIX A Page 3 of 21 application of additional forms of xDSL and

other ATM Quality of Service ("QoS") offerings to this architecture consistent with the Commission order in 000393 is discussed in Section 9 of this Appendix.

1.7 With respect to the end-to-end HFPL UNE, all line cards deployed in conjunction with the Project Pronto network architecture will be owned and maintained by AMERITECH-IL.

2. DEFINITIONS

2.1 The term Digital Loop Electronics ("DLE") refers to the specific outside plant loop network infrastructure that is described in detail above. For billing purposes, this term will be utilized interchangeably with the term NGDLC.

2.2 The term Digital Subscriber Line ("DSL") for the purposes of this tariff describes various technologies and services. The "x" in "xDSL" is a place holder for the various types of DSL services, including, but not limited to ADSL (Asymmetric Digital Subscriber Line), HDSL (High-Speed Digital Subscriber Line), IDSL (ISDN Digital Subscriber Line), SDSL (Symmetrical Digital Subscriber Line), UDSL (Universal Digital Subscriber Line), VDSL (Very High-Speed Digital Subscriber Line), and RADSL (Rate-Adaptive Digital Subscriber Line).

2.3 Intentionally Omitted

2.4 The term Asynchronous Transfer Mode ("ATM") for the purposes of this tariff describes a packet-based technology that offers the efficiency of packet switching and the reliability of a circuit switched network.

2.5 The term Packet Switching is defined as the function of routing individual data units, or "packets," based on address or other routing information contained in the packets.

2.6 The term Serving Area Interface ("SAI") or Feeder Distribution Interface ("FDI") is where the trunk line, or "feeder," leading back to the central office, and the "distribution" plant, branching out to the subscribers, meet, and "interface." The SAI/FDI might be located in the utility room in a multi-dwelling unit, in a remote terminal, or in a controlled environment vault (CEV).

2.7 The term subloop is defined as any portion of the loop that is technically feasible to access at terminals in AMERITECH-IL's outside plant, including inside wire. An accessible terminal is any point on the loop where technicians can access the wire or fiber within the cable without removing a splice case to reach the wire or fiber within. Such points may include, but are not limited to, the pole or pedestal, the network interface device, the minimum point of entry, the single point of interconnection, the main distribution frame, the remote terminal, and the FDI.

2.8 The term Digital Loop Carrier ("DLC") describes systems that digitally encode and aggregate, i.e. "multiplex," the traffic from subscriber's loops into DS1 signals or higher for more efficient transmission or extended range beyond that

traditionally permitted by copper loops. The analog signals are carried from the customer premises to a remote terminal (RT) where they are converted to digital signals, multiplexed with other signals, and carried, generally over fiber, to the LEC central office.

2.9 The term DSL-enabled Next Generation Digital Loop Carrier ("NGDLC" or "DSL-enabled NGDLC") for the purposes of this tariff describes a form of DLC that ~~is capable of~~ provides~~ing~~ a time slot interchange functionality for the provision of voice (e.g. POTS traffic) from the RT to the CO local switch and ~~capable of~~ support~~sing~~ xDSL via packetized (e.g. ATM traffic) from the RT to the central office.

2.10 A Remote Terminal ("RT") site is defined as either a Controlled Environmental Vault ("CEV"); Hut; and/or Cabinet.

2.11 A Serving Wire Center ("SWC") is defined as an end office equipped with an OCD with subtending RT sites equipped with the Project Pronto NGDLC architecture.

2.12 An Optical Concentration Device ("OCD") for the purposes of this tariff is defined as a packet switch and router deployed in an end office for the purposes of routing and aggregation of incoming data traffic from a DSL-enabled~~n~~ NGDLC equipped RT.

2.13 A Permanent Virtual Circuit ("PVC") for the purposes of this tariff is defined as a virtual circuit that provides the equivalent of a dedicated private line service over a packet switched network architecture.

2.14 The term Constant Bit Rate ("CBR") for the purposes of this tariff is defined as an ATM Quality of Service ("QoS") set by the International Telecommunications Union-Telecommunications Services Sector (ITU-T). CBR provides a transmission path through the packet switched portion of a network architecture at dedicated rates of speed (e.g. bandwidth).

2.15 A Unspecified Bit Rate ("UBR") for the purposes of this tariff is defined as an ATM QoS set by the ITU-T. UBR provides a transmission path through the packet switched portion of the Project Pronto network architecture (the OC level data transport and the OCD) at unspecified rates of speed using only the available bandwidth.

2.16 The term Constant Bit Rate Permanent Virtual Circuit ("CBR PVC") for the purposes of this tariff is defined as PVC providing a constant, dedicated allocation of bandwidth through the packet switched portion of the Project Pronto network architecture.

2.17 The term Unspecified Bit Rate/Constant Bit Rate ("UBR+CBR") for the purposes of this tariff is defined as an arrangement offering one or more UBR PVC(s) and one more or CBR PVC(s) as technically feasible.

3.

3.1 The Project Pronto infrastructure deployed by AMERITECH-IL currently consists of the following network architecture: an RT site equipped with NGDLC; RT derived copper facilities extending from the RT site to the customer premises; dedicated fiber strands from the NGDLC RT to the central office with individual strands specific to voice and data respectively; NGDLC deployed in the Central Office Terminal ("COT") for the transport of the voice traffic from the RT site to the AMERITECH-IL voice switch and/or Main Distribution Frame ("MDF"); and ATM capacity that will act as an OCD for the purpose of routing "packets" from the data facilities to a CLEC leased port on the OCD. Nothing in this section precludes either party to seek additional functionalities as set forth in section nine of this tariff.

3.2 NGDLC has been or will be installed in RT sites to effectively shorten the copper facility, as measured from the RT location, to less than 12 Kilofeet (" Kft") in most instances. The feeder cable is currently spliced to the backplane of the NGDLC placed in the RT site~~, although AMERITECH-IL is required to provide CLEC with unbundled access to subloops to access the copper wire portion of the loop with pricing based on a forward-looking, efficient network design which will be determined in the permanent pricing phase of Docket No. 00-0393~~. A 2-wire copper cross-connect will be made in the SAI to migrate an existing distribution copper facility (associated with a subscriber address) from its existing copper feeder facility to the NGDLC. This cross-connect will serve to move the end-users line from the existing copper based network topology onto the fiber/copper network architecture, effectively shortening the length of the copper facilities (feeder and distribution) from the RT site to the end user premises. ~~CLEC access to subloops is addressed in Section 10.~~[1]

3.3 A combination voice and data card or data card will be placed in the NGDLC equipment in the RT site. At this time the only card being deployed by AMERITECH-IL for xDSL offerings over the ATM network is an ADSL line card. AMERITECH-IL is deploying HDSL-4 cards on the TDM portion of the network. The procedure for introducing new xDSL line cards consistent with the Commission order in Docket 00-0393 is discussed in Section 9 of this Appendix. This card contains the electronics that generate and receive data transmissions carried from the end-user to the central office via a remote terminal. The card also performs multiplexing and sputter functions that the system cannot otherwise provide. One or more PVCs will be established to route the data signal from the

[1] This deletion was not specifically reflected in the October 16, 2001 Amendatory Order (at 3) but is consistent with the text and plain intent of the order.

NGDLC to the OCn level ATM data transport facility to the central office and subsequently to the CLEC leased OCD port.

3.4 From the RT site, OCn level transport will be utilized to transport voice and data from the RT site to the Central Office on a non-protected fiber. An Asynchronous Transfer Mode ("ATM") based OCn level transport facility will be provided for the data portion, and a Time Division Multiplexed ("TDM") based OCn level transport facility will be provided for the voice path. In the central office, the incoming data OCn level transport facility terminates on the FDF and will be delivered to the OCD. The OCD aggregates OCn level transport facilities from multiple RTs and routes the traffic to the appropriate CLEC outbound OCn level~~,~~ or DS3c~~, or DS 1~~ port leased on the OCD. The voice OCn level transport facility also terminates on the FDF and will be delivered to the COT. From the COT the voice path is extended to the AMERITECH-IL voice switch or to the MDF.

4. NETWORK CONFIGURATIONS

4.1 AMERITECH-IL must provide CLEC access to the unbundled loop element from the demarcation point at the customer's premises to the termination (port) on the OCD in the central office, including the associated electronics at the RT and the central office.

4.2 CLEC access to the AMERITECH-IL Project Pronto architecture pursuant to this tariff will be offered in two network configurations: A Data configuration in which the CLEC is provided several different means to provision xDSL offerings over the Project Pronto architecture; and a Combined Voice and Data configuration in which CLEC is provided the means to provision both voice and data over the Project Pronto network architecture.

4.3 ~~One of~~ Tthe CLEC's means of access to the data portion of the Project Pronto architecture (as provisioned through the OCD), whether in the Data configuration or Combined Voice and Data configuration, is via collocation in the end office. ~~If the CLEC decides to access Project Pronto via collocation,~~ CLEC is required to be collocated at each end office in which CLEC desires to access the Project Pronto architecture. CLEC is responsible to ensure that any necessary collocation arrangement, whether virtual and/or physical, and any subsequent collocation augments are completed and in place in each serving wire center in which CLEC desires to place an order for any of the network components described within this Agreement.

4.4 CLEC's means of access to the voice portion of the Project Pronto in the Combined Voice and Data configuration is provided in two different manners. In the instance in which CLEC desires to receive the voice physically in their collocation arrangement from the MDF AMERITECH-IL will extend the voice signal to CLEC's collocation arrangement in a like manner to a standard unbundled loop. Alternatively, subject to the same terms governing availability of the UNE-P with respect to UNE loops in CLEC's interconnection agreement or

tariff as applicable, CLEC may order voice service through the Combined Voice and Data configuration in a UNE-Platform ("UNE-P") where no cross-connect to collocation will be necessary.

4.5 The procedures for introducing new features and functions are addressed in Section 9 of this tariff.

5. DATA CONFIGURATION

5.1 The data configuration provides CLEC the capability to provision data connectivity from an end user location through the AMERITECH-IL OCD. Such configuration will provide CLEC the capability of provisioning an xDSL offering to the end user location. Under this configuration, any underlying voice service will continue to be provided by AMERITECH-IL. The following network components outlined in Section 5 of this tariff will be necessary in order for CLEC to provision an xDSL service over NGDLC.

5.2 The procedures for introducing new features and functions are addressed in section 9 of this tariff.

5.3 SUBLOOPS

5.3.1 CLEC can order at least (2) Subloop options in order to provide CLECs the capability of provisioning data connectivity from the customer premises to the RT site over existing distribution copper facilities:

5.3.2 HFPSL. In the case in which a CLEC desires to transport its customers' data with AMERITECH-IL transporting the customers' voice over the same copper facility from the RT to the end user, CLEC will order the High Frequency Portion of the Subloop ("HFPSL") option. The HFPSL is equivalent to the high frequency portion of the existing copper facility from the RT site to the end user premises and is shared with the AMERITECHIL existing voice service.

5.3.3 Data Only Subloop. In the case in which the CLEC desires to provide an xDSL service utilizing the full copper facility from the RT site to the end user premises (non-line shared), CLEC will order a Data Only Subloop. This Subloop is the full physical copper facility from the RT site to the NID at the customer premise and constitutes a separate copper facility to the existing copper facility used to provide voice service.

5.3.4 Intentionally Omitted.

5.3.5 The existing loop qualification rates and process available in conjunction with unbundled DSL capable loops, modified to include NGDLC specific information, will be made available to CLECs upon request in order to determine which locations can be served via this arrangement.

5.4 PERMANENT VIRTUAL CIRCUIT ("PVC")

5.4.1. **ADSL PVC.** In addition to the Subloop components outlined above, CLEC will order a PVC from the RT to the CLEC leased OCD Port.

5.4.2. The PVC network component, which will include the use of the line card, common control software and equipment and other supporting software and equipment necessary for use of the PVC, will consist of a permanent virtual circuit to transmit the data signal from the NGDLC equipped RT over the OCn level fiber facility to the OCD in the central office and subsequently aggregate traffic through the OCD to the CLEC OCD Port Termination. This network component will be required in addition to the HFPSL, Data Only Subloop, or Combined Voice and Data Loop and the OCD Port Termination.

5.4.3 Initially, AMERITECH-IL is only offering an ADSL Class of Service PVC. The potential deployment of additional PVC Classes of Service are outlined in detail in Section 9 of this tariff.

5.4.4 Intentionally Omitted.

5.4.5 PVCs are made available by AMERITECH-IL at the ATM Qualities of Service outlined below in Section 7.0 of this tariff. AMERITECH-IL is offering three basic PVCs as of this time: CBR, UBR and CBR+UBR.

5.5 OCD PORT TERMINATION

OCD Port Termination. In addition to the Subloop and PVC components outlined above, CLEC will order an OCD Port Termination. At this time, the OCD will aggregate incoming PVCs from multiple RT locations and route CLEC traffic to the CLEC leased port on the AMERITECH-IL OCD.

5.5.1. AMERITECH-IL is offering twothree forms of OCD Port Termination: OC3c and, DS3 and DS 1. Specific terms and conditions for the use of the various OCD Ports is outlined in Section 8 of this tariff.

5.6. CROSS-CONNECTS

5.6.1. The following additional cross-connects may be applicable:

5.6.2. Serving Area Interface ("SAI") Cross-Connect. The SAI CrossConnect will be required in the field to connect the feeder copper cable pair from the NGDLC equipped RT site to the distribution cable pair serving the individual customer premises. If the end user has already been converted to the NGDLC architecture for the provision of voice services this cross-connect will continue to be required to convert the customer from the voice portion of the NGDLC system to an xDSL capable line card. If the end user has already been converted to the NGDLC architecture for the provision of xDSL service this cross-connect will not be required.

5.6.3 OCD Cross-Connect to Collocation. An OCD cross connect may be purchased by CLEC to extend the OCD Port Termination to either a virtual or physical collocation arrangement. This cross-connect will be provided for at like speed to CLEC's chosen OCD Port: OC-3c or, DS3 or DS1.

6. COMBINED VOICE AND DATA CONFIGURATION

6.1 The Combined Voice and Data Configuration provides a means by which a CLEC may provide both the voice and data service to an end user over the Project Pronto architecture.

6.2 This network configuration will utilize an underlying voice path provisioned over NGDLC delivered to the MDF and/or provided to CLEC in a UNE-P arrangement. Use of this network component in addition to the PVC and OCD Port Termination network components will provide CLECs a combined voice and data solution. Such network configuration provides CLEC the capability to provision both voice and data services via a single copper facility from the remote terminal to the customer premises.

6.3 CLEC will be provided the capability to access the data traffic in a like manner as that outlined above for the data configuration: via a leased port on the OCD. CLEC will have the option to purchase a cross-connect from the OCD to a collocation cage of the CLEC's choice in the central office.

6.4 CLEC will be provided the capability to access the voice traffic in two different manners. The first is via collocation, in which case AMERITECH-IL will extend a physical copper connection from the MDF to a CLEC's collocation arrangement in the serving wire center. The second is via a UNE-P arrangement, in which case no collocation will be necessary. Under the UNE-P option, AMERITECH-IL is required to take the voice traffic from the remote terminal to the MDF and cross-connect the traffic to the appropriate switch port.

6.5 Although it is technically feasible to carry both voice and data on a single fiber, due to the current nature of the Project Pronto infrastructure voice and data traffic from a common copper facility will be split into two distinct paths in the NGDLC equipped RT as addressed above. In the instance in which a CLEC desires to access the voice and data directly at their collocation arrangement (in lieu of a UNE-P arrangement or other arrangement for data) AMERITECH-IL will provide the same CLEC with two distinct hand-off points at their selected virtual or physical collocation arrangement for voice and data traffic respectively.

6.6 **COMBINED VOICE & DATA NETWORK COMPONENTS**

6.6.1. In addition to the existing PVC and OCD Port Termination Components outlined above, in order to provision a combined voice and data service over NGDLC, CLEC can order one of the two versions of the Combined Voice and Data Voice Path outlined below. The subloop components outlined with the data configuration are not available for use in the Combined Voice and Data configuration and are replaced by the use of one of the Combined Voice and Data Voice Paths.

6.6.2. **Combined Voice and Data Loop.** CLEC may order a voice path consisting of a full 2-wire copper facility from the RT site to the end user location together with the voice path from the NGDLC equipped RT site to the MDF in the central office. Both voice and data will be provisioned over the copper facility. CLEC can purchase a cross-connect from the MDF to the appropriate switch port.

6.6.3. **Combined Voice and Data UNE-P Loop** This path will be the same as the Combined Voice and Data Loop however it will be extended directly to an unbundled switch port. In this instance the CLEC will not be required to collocate to access the voice traffic.

6.6.4. The specific terms for the provision of UNE-P voice in this arrangement will be the same as those terms provided for in the provision of UNE-P in the Agreement. Rates for the new Combined Voice and Data UNE-P Loop will be set following the review of Ameritech's UNE cost studies.~~Rates for the new Combined Voice and Data UNE-P Loop will be set in the permanent pricing phase of Docket No. 00-0393.~~

6.6.5 **VOICE ONLY CONFIGURATION.** CLEC can purchase an unbundled loop from the demarcation point at the customer's premises to the MDF in the central office, with associated cross connects to a collocation cage or an unbundled switch port, as a UNE over the Project Pronto facilities. Price for this unbundled loop will be established following the review of Ameritech's UNE cost studies.~~Prices for this unbundled loop will be established in the permanent pricing phase of Docket No. 00-0393.~~

7. ATM QUALITIES OF SERVICE (" QoS") -

7.5. Initially, AMERITECH-IL is offering two forms of ATM QoS options in conjunction with the PVC components outlined in this Appendix: 1) UBR and 2) CBR.

7.6. **UBR.**

7.6.1. AMERITECH-IL is offering CLEC an Unspecified Bit Rate ("UBR") QoS PVC for the establishment of CLEC ADSL service.

7.6.2. The UBR PVC will provide CLECs an allocation of the "available" (non-dedicated) bandwidth at the time an individual end user accesses the Project Pronto architecture.

7.6.3. Initially, CLEC is restricted to the provision of Discrete Multi-Tone ("DMT") service in conjunction with the UBR and CBR PVCs.

7.6.4. Initially, the maximum number of PVCs that can be provisioned over the Project Pronto architecture is dependent upon the form of OCD Port Termination purchased by CLEC. Additionally, upstream and downstream bandwidth specified by CLECs will further impact the volume of PVCs capable of being provisioned through the OCD. CLEC will be responsible for ensuring that there is sufficient capacity on its leased OCD ports (~~DS 1,~~ DS3c or OC-3c) to support CLEC provided PVCs over this infrastructure.

7.6.5. AMERITECH-IL should provide CLECs with options for different amount of bandwidth. Some QoS classes are currently available and additional QoS classes will become available in the near future to allow CLEC the opportunity to provide distinctive offerings, if it so chooses. AMERITECH-IL is required to provide evidence that different QoS classes axe not technically feasible. If a CLEC wishes to provide a certain service, it is up to AMERITECH-IL to provide that the service is incompatible with the current architecture. This process is described in further detail in Section 9.

7.6.6. PVCs are configured in advance by ATM service providers between the CLEC end user customer and a single service provider. Under the terms of this Agreement, CLEC represents the single service provider. CLEC is responsible for providing the information necessary for AMERITECH-IL to provision the PVC over the AMERITECH-IL Project Pronto network architecture. This information will be provided by the CLEC to AMERITECH-IL pursuant to the CLEC Information Form (CLIF) process and the CLEC Profile Process as outlined in this Agreement, as addressed in the CLEC Handbook, so long as the terms of the handbook are consistent with the Commission's Order in 00-0393.

7.6.7. AMERITECH-IL will be responsible for network monitoring of the use of the common OCn level loops between the central office and the RT site. In the provisioning of a PVC, CLECs will be restricted to upstream and downstream bandwidth, aggregate power and noise settings which are technically feasible

given the card vintage deployed in the NGDLC equipment. AMERITECH-IL must prove to the Commission that the CLEC's PVC is not technically feasible.

7.6.8. Intentionally Omitted.

7.7. **CBR**

7.7.1. AMERITECH-IL will make available and CLEC may order a Constant Bit Rate ("CBR") QoS PVC for the establishment of CLEC DSL service.

7.7.2. The CBR PVC will provide CLECs a dedicated, fixed allocation bandwidth to the end user across the Project Pronto architecture. The standard CBR PVC offering will be 96 kbps. Subject to the Special Request Process contained in the Broadband Services Agreement, CLECs may order CBR service in excess of 96 kbps CBR to meet customer requirements. These products will be provided unless AMERITECH demonstrates that such provisioning is either technically or economically infeasible. CLECs are aware that the permanent pricing of the NGDLC UNE-P has not been completed and that the price of a CBR PVC tends to increase with the increase in bandwidth. The potential of offering higher bandwidth CBR services is outlined in Section 9 of this tariff on Future Features and Functions.

7.7.3. Omitted intentionally.

7.7.4. Omitted intentionally.

7.7.5. Omitted intentionally.

7.7.6. Initially, CBR bandwidth will be allocated on a first come first serve basis. The potential of offering higher bandwidth CBR services is outlined in Section 9 of this tariff on Future Features and Functions.

7.7.7. Initially, in provisioning a CBR PVC, AMERITECH-IL will apply the following QoS parameters.

Upstream Cell Transfer Delay 3ms;
Downstream Cell Transfer Delay 2 ms;
Upstream Cell Delay Variance 1.2 ms;
Downstream Cell Delay Variance .7 ms;
Cell Loss Ratio 7x10-9

The potential of offering higher bandwidth or different CBR services is outlined in Section 9 of this tariff on Future Features and Functions.

7.7.8. Initially, AMERITECH-IL will provide two CBR serving arrangements: CBR PVC within which a CBR PVC will be offered in a like manner to the UBR PVC

offering outlined above; and CBR+UBR within which a CLEC will be provided the use of both a CBR and a UBR PVC per end user. The potential of offering higher bandwidth or different CBR services is outlined in Section 9 of this tariff on Future Features and Functions.

7.7.9. Omitted intentionally.

8. OCD PORT TERMINATION

The incoming dedicated OCn level transport for data will terminate on the OCD. An OCD will be placed in each end office where this element is made available. CLEC will be required to purchase a port termination on the OCD. The OCD Port Termination will be provided at the ~~DS 1,~~ DS3c or OC-3c port rate as ports on the OCD where technically feasible and/or supported by the OCD manufacturer.

8.5. Omitted intentionally.

8.6. In addition to the OCD Port Termination, CLEC may purchase a physical OCD cross-connect. This cross-connect will be an optical cross-connect in the case of an OC-3c, or electrical in the case of a DS3c ~~or DS 1~~ OCD port. CLEC must establish the necessary collocation arrangement capable of accepting the OCD cross-connect prior to placing an order for the OCD Cross-Connect.

8.7 In the case of a ~~DS 1 or~~ DS3c port, the necessary collocation arrangement must consist of a physical piece of equipment capable of accepting a ~~DS1/~~DS3c cross connect consistent with the collocation tariffs approved by the Illinois Commission.

8.8 In the case of an OC-3c port, the necessary collocation arrangement must consist of a physical piece of equipment capable of accepting an OC-3c optical cross connect consistent with the collocation tariffs approved by the Illinois Commission.

8.9 The OCD OC-3c or~~,~~ DS3c~~, or DSl~~ cross-connect consists of an optical or electrical cross-connect from the FDF or DSX location respectively in the SWC that will allow for the OCD Port Termination to be extended to a CLEC's physical or virtual point of collocation, consistent with the collocation tariffs approved by the Illinois Commission.

8.10 Omitted intentionally.

8.11 Omitted intentionally. ~~Until such time as AMERITECH-IL provides CLECs with the ability to order DS 1 functionality, AMERITECH-IL shall provide CLECs with current capabilities (DS3 or OC3), but shall charge no more than the price for a DS 1 OCD port. When DS 1 functionality is made available, CLECs are required to either move off of the higher bandwidth facility or continue with the DS3 level and pay the~~

~~appropriate charge. The timeframe for CLECs to transfer service is five business days from when AMERITECH-IL notifies the CLEC that DS-1 functionality is available.~~

8.12 Intentionally omitted.

8.13 Intentionally omitted.

8.14 Intentionally omitted. ~~AMERITECH-IL reserves the right to provide a DS1 OCD port via the de~~ ~~multiplexing of a DS3 OCD port into individual DS1s.~~

9. AVAILABILITY OF FUTURE FEATURES AND FUNCTIONALITIES

9.5. At this time only ADSL/UBR and ADSL/CBR QoS are available in conjunction with the Broadband UNEs as outlined in this tariff. AMERITECH-IL will encourage its vendors in consultation with CLECs to develop line cards that support other xDSL services or that are universal in application. When new cards become available, AMERITECH-IL shall have the same obligations as it does with respect to ADSL cards. Any line card produced or licensed by the manufacturer of the NGDLC will be presumed to be technically feasible to provision and acceptable for deployment. Subject to the Special Request Process in the Broadband Services Agreement, AMERITECH-IL will deploy any new line card in response to a~~within 30 calendar days of the~~ CLEC's request. If AMERITECH-IL does not deploy commercially available line cards pursuant to the Special Request Process~~within 30 calendar days~~, AMERITECH IL shall be required to show the Commission why a certain technology is not technically or economically feasible to provision.

9.6. AMERITECH-IL shall continue its collaborative efforts with CLECs to ensure that additional capabilities that are technically feasible are introduced for the benefit of all end-users.

9.7. Should the vendors of the NGDLC deployed in conjunction with Project Pronto develop in the future, for use with the Project Pronto NGDLC equipment a feature or functionality (such as other versions of xDSL or additional ATM QoS offerings) desired by CLEC, or should CLEC desire a higher grade ATM QoS than currently made available, AMERITECH-IL shall have the burden to show, why, from either a technical or economic feasibility standpoint, it cannot be provisioned at the CLEC's request. The Illinois Commission is the appropriate forum to address additional concerns of the parties should they arise.

10. ~~——~~ACCESS TO UNBUNDLED SUBLOOPS AND/OR DARK FIBER

Where technically feasible, AMERITECH-IL must provide CLECs access to the copper subloop at the remote terminal, with pricing based on a forward-looking, efficient network design (such pricing will be developed following the review of Ameritech's UNE cost studies) ~~(such pricing~~

~~will be developed in the permanent pricing phase of Docket No. 000393)~~. If the only technical solution to access subloops for a particular RT is the Engineering Controlled Splice (ECS), AMERITECH-IL must build an ECS for CLEC. The intervals for providing copper subloops that are in the existing interconnection agreement between the parties shall apply to AMERITECH-IL's obligations to provide access to the copper subloop at the remote terminal, unless the parties agree to different time intervals.

AMERITECH-IL must provide dark fiber to CLEC as specified in the existing interconnection agreement or tariff as applicable.

11. ~~——~~REUSE OF FACILITIES

11.5. Each Party will abide by applicable federal and state laws and regulations in obtaining End User authorization prior to changing an End User's Local Exchange Carrier to itself and in assuming responsibility for any applicable charges as specified in the FCC's rules regarding Subscriber Carrier Selection Changes (47 CFR 64.1100 through 64.1170) and any applicable state regulation.

11.6. The provisions for CPNI, end user authorization, and reuse of UNE facilities in the existing interconnection agreement or tariff as applicable will apply to this tariff section, subject to applicable federal and state laws and regulations.

11.7. Intentionally omitted.

11.8. Each Party shall cooperate with any investigation of a complaint alleging an unauthorized change in local exchange service at the request of the FCC or the Commission.

11.9. Intentionally omitted.

12. OCD PORT SHARING

12.5. CLEC can share an OCD Port leased by CLEC with third parties to this agreement requesting shared use of the CLEC OCD Port Termination. Such arrangement shall be offered at the sole discretion of CLEC, without any involvement or facilitation by AMERITECH-IL. CLECs shall agree upon one single point of contact for Ameritech IL. The single point of contact is responsible for all matters surrounding the lease of an OCD port. Ameritech IL will bill the single point of contact for the entire OCD port. It is CLECs' responsibility to bill each other in the case of OCD port sharing.

12.6. Intentionally omitted.

12.7. Intentionally omitted.

13. PROVISIONING AND INSTALLATION

13.5. AMERITECH-IL will not guarantee that the copper subloop arrangements provided in conjunction with this tariff will perform as desired by CLEC for xDSL-based or other advanced services, but will guarantee basic metallic loop parameters, including continuity and pair balance. CLEC-requested testing by AMERITECH-IL beyond these parameters will be billed on a time and materials basis at the applicable tariffed rates. On loops where CLECs have requested that no conditioning be performed, AMERITECH-IL's maintenance will be limited to verifying loop suitability based on POTS design. For loops having had partial or extensive conditioning performed at CLEC's request, AMERITECH-IL will verify continuity, the completion of all requested conditioning, and will repair at no charge to CLEC any gross defects which would be unacceptable based on current POTS design criteria and which do not result from the loop's modified design.

13.6. CLEC shall designate, at the CLEC's sole discretion, what loop conditioning AMERITECH-IL is to perform in provisioning subloop orders. Conditioning may be ordered on any of the copper subloops outlined herein of any length. Rates for loop conditioning are the same as those set forth for standard xDSL contained in Pricing Appendix to the interconnection agreement or tariff as applicable..

13.7. Provisioning and installation of the network components and service configurations described in this tariff will be provided for in two separate service orders: CLEC infrastructure orders and CLEC End User specific orders.

13.8. INFRASTRUCTURE SERVICE ORDER

13.8.1. The Infrastructure Service order is required for the establishment of data connectivity from the OCD to the CLEC collocation arrangement (at the CLEC's option) and subsequent ATM network. This order consists of the OCD Port Termination and associated Cross-Connect to Collocation (at the CLEC's option). These components will be provided for on one Access Service Request ("ASR").

13.8.2. CLEC must complete the necessary network infrastructure to support its DSL service in the NGDLC environment two (2) business days prior to placing an end user specific order as defined below.

13.8.3. In conjunction with each ASR submitted, CLEC must also submit a CLEC Information Form (" CLIF") indicating virtual parameters that must be established in conjunction with the CLEC leased OCD Port Termination. These parameters include the following: Customer Address (Point of Presence ("POP") Location); Connection Speed (OC-3c, DS3c, or DSl); Connection Type (UNI DCE or UNI DTE); Virtual Path Indicator ("VPI") and Virtual Channel Indicator ("VCI") Ranges; and Number of Connections. These parameters may change if additional features or functionalities are added pursuant to Section 9 of this tariff .

13.8.4. Specific VPI/VCI values provided on the CLIF must be consistent with published parameters outlined in the AMERITECH-IL "Broadband Service UNE Technical Publication," as approved by the Illinois Commission so long as the parameter does not conflict with the Commission's Order in 000393. This document outlines the compatible VPI/VCI ordering ranges with AMERITECH-IL equipment deployed in conjunction with this architecture.

13.9. **END USER SPECIFIC ORDER**

13.9.1. The CLEC end user specific orders consist of the DLE-xDSL HFPSL; the DLE-Subloop; or the DLE Combined Voice and Data Loop. These elements plus the PVC element to establish data connectivity will provide the configurations outlined above, to end user location. These network components will be ordered on one Local Service Request ("LSR").

13.9.2. Prior to the issuance of an end user specific order CLEC must build the prospective CLEC Profile ("CLEC Profile") CLEC desires to offer in conjunction with the UNEs outlined in this Agreement. Terms and conditions for the establishment of the CLEC Profile are outlined in the following section CLEC Profile.

13.9.3. If the CLEC elects to receive both voice and data at collocation arrangements under the Combined Voice and Data arrangement outlined above, CLEC must complete the Dual Inventory Collocation process as referenced in the Broadband Service Ordering Guidelines and/or CLEC Handbook section outlining ordering of this offering, so long as the process does not conflict with the Commission's Order in 00-0393.

14. PROVISIONING INTERVALS

14.5. **END USER SPECIFIC INTERVAL**

14.5.1. The provisioning and installation interval for the end user component where no conditioning is requested and CLEC is ordering the HFPSL as provided in this Appendix will be equal to the interval for the standard line shared HFPL UNE established by the applicable Commission orders and state law.. The provisioning and installation interval for the end user component where no conditioning is requested and CLEC is utilizing the Data Only Subloop or Combined Voice and Data loop components outlined above will be 1 business day, or will be equal to the provisioning and installation interval applicable to AMERITECH-IL's tariffed xDSLbased services, or its affiliate's, whichever is less.

14.5.2. The provisioning and installation intervals for the various end user components provided in this tariff where conditioning is requested will be five (5) business days, or the provisioning and installation interval applicable to

AMERITECH-IL tariffed xDSL-based services or its affiliate's xDSL-based services where conditioning is required, whichever is less.

14.5.3. Intentionally omitted.

14.5.4. Intentionally omitted.

14.5.5. Subsequent to the initial order for the end user components provided in this tariff, additional conditioning may be requested on such loops) at the rates and under the terms and conditions set forth in CLEC's Interconnection Agreement or tariff as applicable.

14.5.6. The OCD Port Termination and OCD Cross-Connect to collocation (at CLEC's discretion) must be in place two (2) business days prior to CLEC's placing of any subloop (and PVC) service orders.

14.6. **INFRASTRUCTURE SPECIFIC INTERVAL**

14.6.1. The provisioning and installation intervals for DS3 OCD Port Terminations will be ten (10) business days from receipt of an accurate and valid ASR. Five business days are required for facilities verification and 5 business days are required for the provision of service.

14.6.2. The provisioning and installation intervals for OC-3c OCD Port Terminations will be negotiated by the parties and agreed upon on an individual case basis. Any disputes on the proper interval will be resolved pursuant to the dispute resolution provisions in the parties' existing interconnection agreements or the applicable tariff provisions.

14.6.3. Intentionally omitted. ~~Until such time as AMERITECH-IL provides CLECs with the ability to order DS I functionality, AMERITECH-IL shall provide CLECs with current capabilities (DS3 or OC3), but shall charge no more than the price for a DS 1. When DS l functionality is made available, CLECs are required to either move off of the higher bandwidth facility or continue with the DS3 level and pay the appropriate charge. The timeframe for CLECs to transfer service is five business days from when AMERITECH-IL notifies the CLEC that DS 1 functionality is available.~~

15. CLEC PROFILE

15.5. Prior to ordering end user specific elements as provided in this tariff, CLEC must establish a CLEC Profile in the Broadband Ordering Profile ("BOP") graphical user interface. This interface will provide CLECs the capability to establish values associated with their end user's specific elements in the Network Management System ("NMS") controlling both the OCD and the NGDLC in the RT site. CLECs will establish a profile that consists of combinations of upstream and downstream minimum and maximum

bandwidth settings. CLECs will be allowed via the BOP interface to establish a profile driven by CLEC AECN that consists of different combinations of these factors.

15.6. CLEC is restricted to valid combinations that are technically feasible within the NGDLC equipment deployed by AMERITECH-IL. Such values are outlined in the AMERITECH-IL "Broadband Service Technical Publication," if not inconsistent with the Commission's order in 00-0393, and subject to new features and functionalities that are introduced pursuant to Section 9 of this tariff.

15.7. In the instance of a CLEC utilizing the UBR PVC option, AMERITECH-IL will not guarantee any amount of upstream or downstream minimum or maximum bandwidth as established by CLEC in a specific service profile. CLECs will be provided whatever amount of bandwidth is generally available and the individual end user line synchronization over this architecture consistent with ADSL type service offerings.

15.8. An initial Profile must be built by CLEC five (5) business days prior to issuing any LSRs associated with end user specific elements as provided in this agreement. The CLEC Profile of services as established via the BOP interface will encompass the entire AMERITECH-IL region.

15.9. CLEC will have the ability to make changes to the CLEC Profile. The changed CLEC profile will be available to CLEC when CLEC orders new end user specific elements. However, previously established end user specific elements will not be automatically changed by the change of CLEC Profile. Instead, should the CLEC desire to change the CLEC Profile for existing end user specific elements, CLEC must submit a "change" order for the existing xDSL service establishing the end user specific elements under the new Profile parameters. The standard charges for processing service orders shall apply for all change orders. Initially, AMERITECH-IL will not offer a CLEC-to-CLEC conversion of service profiles or non-intrusive change of service profile values on a line-by-line basis. This restriction is subject to the requirements of Section 9 of this tariff.

15.10. AMERITECH-IL has developed the BOP-GUI interface to encompass parameter values consistent across all vintages of NGDLC being deployed in conjunction with the Broadband Infrastructure (e.g. "Project Pronto").

15.11. AMERITECH-IL can only restrict the number of service profiles that CLEC is provided in conjunction with this element if AMERITECH-IL can prove to the Commission that such restriction is necessary because it is technically infeasible to provide additional service profiles due to technical considerations involving the vintage of NGDLC deployed in the AMERITECH-IL network. At this time, AMERITECH-IL recommends, but does not require, that CLEC establish not more than 10 individual service profiles due to such concerns.

15.12. Additional instructions in relation to BOP system can be found in the "Broadband Ordering Profile User's Guide" available in the CLEC Handbook so long as the instructions are consistent with the Commission's order in 00-0393.

16. ~~———~~OPERATIONS SUPPORT SYSTEMS

16.1 Ameritech-IL shall make available to CLECs unfiltered gateway access to its OSS databases that contain loop qualification information that is available to Ameritech, Ameritech's affiliates or any employees of any of them, consistent with the Commission's Order on Rehearing in Docket 00-0592. This information shall be provided in whatever form or format that information is made available to Ameritech, its affiliates or any of its employees.

16.2 Ameritech-IL shall make available to all CLECs the results of the audit of all OSS databases, and backend systems as ordered in Dockets 000312/~~.~~00-0313~~ and 00-0393~~, in order to determine all OSS data useful in pre-ordering, ordering, provisioning, maintenance and repair and billing for line shared xDSL. Such audit shall include in advance, all documentation needed to audit the systems and databases, including but not limited to user guides, data dictionaries, glossaries, job cards and table guides, with a description of each data field, all valid entries and an explanation of the data in that field.

16.3 Intentionally omitted. ~~Ameritech-IL shall make available to CLECs all functionality for analyzing data in its backend systems and databases listed in 16.1. Such functionality shall include, but not be limited to, generating reports and inquiries.~~

17. ~~———~~MAINTENANCE /SERVICE ASSURANCE

17.5. The terms and conditions for maintenance and service assurance for the end-to-end UNE loop provisioned over the Project Pronto network architecture will be the same as the terms and conditions for maintenance and service assurance outlined in interconnection agreement or tariff as applicable as they related to line sharing.

18. ~~———~~LOOP CONDITIONING

18.5. Loop conditioning may be necessary in such instance as the distribution copper portion of the loop from the RT site to the end user (including the copper feeder to the SAI) contains copper disturbers in the network. In such instance loop conditioning will be required in conjunction with this offering. Such conditioning will be performed by AMERITECH-IL when requested by CLEC. In such instance as Loop Conditioning is requested by CLEC for a loop provided for with this service offering, such conditioning will be governed by the associated rates, terms and conditions for loop conditioning that would apply to xDSL Capable Loops in the Agreement or the applicable tariff.

~~19. PRICING~~

~~19.5. The Broadband UNEs will be priced by AMERITECH-IL in accordance with the~~

~~pricing methodology applicable to Unbundled Network Elements under Sections 251 (c)(3) and 252(d)(1) of the Telecommunications Act of 1996. Interim prices for the Broadband UNEs described herein are set forth in the Broadband UNE Generic Pricing Appendix as modified by Staff s witness Koch's testimony in 00-0393 and are subject to true up when final prices are established following the Commission's review of Ameritech's UNE cost studies.~~